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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CYNOMOLGUS MONKEY DICKKOPF-4, NUCLEOTIDES ENCODING SAME, AND USES THEREOF

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ATGGCGGCGG CCGTCCTGCT GGGACTGAGC TGGCTCTGCT CTCCCCTGGG AGCTCTGGTC 60
CTGGACTTCA ACAACATCAG GAGCTCTGCT GACCTGCTTG GGGCCCGGAA GGGCTCACAG 120
TGCCTGTCTG ACACAGACTG CAATACCAGA AAGTTCTGCC TCCAGTCCCA CAATGAGAAG 180
CCGTTCTGTG CTACATGTCG TGGGTTGCAG AGGAGGTGCC AGCGAGATGC CATGTGCTGC 240
CCTGGGACAC TCTGCATGAA TGATGTTTGT ACTACGATGG AAGACGCAAC CCCAAAATTG 300
GAAAGGCAGC TTGATGAGCA AGATGGCACA CATGCAGAAG TAACAAC TGG GCACCCAGTC 360
CAGGAAAACC AACCCAAGAG GAAGCCAAGT ATTAAGAAAT CACAAGGCAG GAAGGGACAA 420
GAGGGAGAAA GTTGTCTGAG AACTTTTGAC TGTGGCCCTG GACTTTGCTG TGCTCGTCAT 480
TTTTGGACGA AAATTTGTAA GCCAGTCCTT TTGGAGGGAC AGGTCTGCTC CAGGAGAGGG 540
CATAAAGACA CTGCTCAAGC TCCAGAAATC TTCCAGCGTT GCGACTGTGG CCCC GGACTA 600
CTGTGTCGAA GCCAACTGAC CAGCAATCAG CAGCATGCAC GGTTACGAGT ATGCCAAAAA 660
ATAGAAAAGC TATAA 675
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(57) Abstract: The cynomolgus monkey Dickkopf-4 (cDkk-4) protein, isolated nucleic acid molecules which encode the cDkk-4 protein, and recombinant vectors and hosts comprising DNA encoding the cDkk-4 protein are disclosed. Also disclosed are methods for identifying analytes which interfere with the interaction between the cDkk-4 protein and a homologous or heterologous Dkk receptor and analytes which interfere with the interaction and stimulate bone formation. Analytes identified using the methods are useful for treating osteoporosis and other bone loss disorders.

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